

Appl. No. 10/816,713
Amdt. Dated Aug. 16, 2005
Reply to Office Action of May 17, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): A contact comprising:

a compliant section defining a longitudinal axis, a plurality of slots and the at least one rib, and comprising a pair of beams surrounding the slots and the at least one rib, the slots extending along the axis, the at least one rib being located between two adjacent slots; and a first section joined to the compliant section;

wherein each of said beams is a longitudinal extended piece having two opposed ends connecting to said rib.

Claim 2 (original): The contact as described in claim 1, further comprising a second section, the compliant section connecting the second section and the first section.

Claim 3 (original): The contact as described in claim 1, wherein the compliant section comprises a pair of slots and a rib, the slots being symmetric about the rib.

Claim 4 (original): The contact as described in claim 3, wherein the rib extends along the axis.

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Claim 5 (original): The contact as described in claim 4, wherein a thickness of the rib is greater than a thickness of each of the beams.

Claim 6 (original): The contact as described in claim 5, wherein each of the beams has a convex outer surface.

Claim 7 (currently amended): A stamped contact part for use within an electrical connector, comprising:

- a compliant section defining a longitudinal direction and including:

- a pair of slots spaced by a rib and extending along said longitudinal direction and through said compliant sections in a thickness direction of said compliant section which is perpendicular to said longitudinal direction, each of said slots being located between said rib and one corresponding outer arc-like beam in a transverse direction which is perpendicular to both said longitudinal direction and said thickness direction; wherein

- a dimension of said rib along said thickness direction is larger than that of said arc-like beam along said thickness direction.

Claim 8 (original): The contact part as described in claim 7, wherein said dimension of rib is substantially equal to a thickness of a remainder of said contact part.

Claim 9 (new): A stamped contact part for use within an electrical connector to mount to a printed circuit board, comprising:

- a top section and an opposite pin-like section;

- a compliant section located between the top section and the pin-like

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section in a longitudinal direction of said contact part, and including:

a pair of slots spaced by a rib and extending along said longitudinal direction and through said compliant sections in a thickness direction of said compliant section which is perpendicular to said longitudinal direction, each of said slots being located between said rib and one corresponding outer arc-like beam in a transverse direction which is perpendicular to both said longitudinal direction and said thickness direction; wherein

a cross-section of the rib is roughly hexagonal while a cross-section of the beam is roughly rectangular having an exterior convex surface for engagement within a hole of the printed circuit board.

Claim 10 (new): The contact part as described in claim 9, wherein the rib is larger than the beam at least in either the thickness direction or the transverse direction.